

A B S T R A C T

THE USE OF AN ULTRASOUND TRANSDUCER FOR ECHOGRAPHIC
EXPLORATION OF TISSUES OR ORGANS OF THE HUMAN OR ANIMAL
5 BODY, IN PARTICULAR OF THE POSTERIOR SEGMENT OF THE
EYEBALL

The present invention relates to the use of a high frequency ultrasound transducer with long focal length
10 for making a device and for implementing a method of echographic exploration of tissue or organs of the human or animal body. More particularly, the invention relates to using an ultrasound transducer having a nominal excitation frequency greater than 20 MHz, preferably lying in the range 50 MHz to 80 MHz, with long focal length, greater than 10 mm, preferably about 25 mm, for making a device for echographic exploration of the eyeball, in particular of the posterior segment of the eyeball, and more particularly of the macular region.

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35 Translation of the title and the abstract as published by the PCT Authorities, possibly after making changes, ex officio, e.g. under PCT Rules 37.2, 38.2, and/or 48.3.